

20030603.qrp v02_n940.qrl.20030603

Date: Tue, 3 Jun 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2940

QRP-L Digest 2940

Topics covered in this issue include:

- 1) [151687] Re: FS: Binaural RX, 100W Amp
by David Hinerman <WD8CIV@worldnet.att.net>
- 2) [151688] Re: Spam
by David Hinerman <WD8CIV@worldnet.att.net>
- 3) [151689] Re: Need Capacitor
by "John" <jdorson@worldshare.net>
- 4) [151690] 2SC1969
by "Rich Johnson" <rjohnson390@attbi.com>
- 5) [151691] Re: Maha Energy Corp. thread
by Larry Cahoon <lejek@erols.com>
- 6) [151692] New at the QRP-ARCI Toy Store
by Hank Kohl K8DD <k8dd@arrl.net>
- 7) [151693] Re: [OT] how many achieved QRP DXCC ?
by Chuck Adams <k7qo@earthlink.net>
- 8) [151694] FS: Shack cleanout items
by Rick McKee <kc8aon@juno.com>
- 9) [151695] Re: NorCal BLT Tuner
by "Bill Linn" <blinn@smgazette.com>
- 10) [151696] Re: Solar Charging Question - Part 2
by James R Giammanco <n5ib@juno.com>
- 11) [151697] 6V to 12V converter
by ARDUJENSKI@aol.com
- 12) [151698] NI-MH Cells
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 13) [151699] SPICE
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 14) [151700] WTB Icom separation kit
by <n2go@arrl.net>
- 15) [151701] SW30+ Mod Help
by wo7t@juno.com
- 16) [151702] Re: Maha Energy Corp. thread
by "Mike Yetsko" <myetsko@insydesw.com>
- 17) [151703] Ten-Tec vs INRAD filters in OMNI VI+?
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 18) [151704] Icom IC-u2AT CTSS Switch Settings
by Jim Campbell <jim-c@charter.net>
- 19) [151705] Re: I saw the light: Getting religion on SMT

- by "Nick Kennedy" <nkennedy@tcainternet.com>
- 20) [151706] Code Cassette Tapes
by "Mike, W9QS" <w9qs@yahoo.com>
- 21) [151707] Re: NI-MH Cells
by fcs@juno.com
- 22) [151708] Need a 2SC799
by Michael Goins <mgoins@usa.net>
- 23) [151709] Re: WTB Icom separation kit: got one
by <n2go@arrl.net>
- 24) [151710] Fw: Re: NI-MH Cells
by fcs@juno.com
- 25) [151711] Re: Need Capacitor
by Wayne_W5KDJ <w5kdj@juno.com>
- 26) [151712] Re:Reading the comics
by Scott Whitmire <sew1@acsu.buffalo.edu>
- 27) [151713] Re: Spam & qrp list
by Edgar R Guillot <n5ed@juno.com>
- 28) [151714] Re: NI-MH Cells
by Terry Owen Permenter <top@whidbey.com>
- 29) [151715] Re: [OT] how many achieved QRP DXCC ?
by Lloyd Lachow <llachow@yahoo.com>
- 30) [151716] Greetings and Thanks to the QRP List
by "Andy Palm" <acpalm@concentric.net>
- 31) [151717] 2SC1969
by "K5KW" <k5kw@onrampok.com>
- 32) [151718] Re: Code Cassette Tapes
by "George, W5YR" <w5yr@att.net>
- 33) [151719] The spam thing
by Pete Burbank <plburbank@earthlink.net>
- 34) [151720] Spartan sprint attempt
by "Paul Ermisch" <paul@ermisch.com>
- 35) [151721] More power from SW+ rigs
by "Steven Weber" <kd1jv@moose.ncia.net>
- 36) [151722] Re: SPICE
by "Leon Heller" <leon_heller@hotmail.com>
- 37) [151723] Feedline loss calculator
by ARDUJENSKI@aol.com
- 38) [151724] Spartan Sprint
by Garie Halstead <khyberpass65@yahoo.com>
- 39) [151725] Re: The spam thing
by Bob Nielsen <nielsen@oz.net>
- 40) [151726] Re: [OT] how many achieved QRP DXCC ?
by Bob Nielsen <nielsen@oz.net>
- 41) [151727] Re: Greetings and Thanks to the QRP List
by "Doug Hendricks" <ki6ds@dospalos.org>
- 42) [151728] Re: NorCal BLT Tuner
by "Bill Linn" <blinn@smgazette.com>
- 43) [151729] [FT817] FT-817 F/S

- by Leland Berman <N3LJB@comcast.net>
- 44) [151730] Binaural RX and Amp SOLD
by "Alan Fryer" <N3BJ@hotmail.com>
- 45) [151731] Re: Reading the comics
by Haines Brown <brownh@hartford-hwp.com>
- 46) [151732] Mobile Antenna's
by "Karl F. Larsen" <k5di@zianet.com>
- 47) [151733] Iowa QRP Club CW Net
by mark.milburn@juno.com
- 48) [151734] Pure QRP
by "w8diz" <w8diz@fpqrp.com>
- 49) [151735] Spartan Sprint results...
by Leland Berman <N3LJB@comcast.net>
- 50) [151736] Re: [ham] OT Re: Spam
by KD5NWA <KD5NWA@cbayona.com>
- 51) [151737] Re: Spartan Sprint results...
by "Mike Boatright" <ko4wx@mindspring.com>
- 52) [151738] Looking for VE3JC...
by "Mike Boatright" <ko4wx@mindspring.com>
- 53) [151739] Re: Spartan Sprint results...
by Lloyd Lachow <llachow@yahoo.com>
- 54) [151740] Re: I saw the light: Getting religion on SMT
by "Noyce, Bill" <william.noyce@hp.com>
- 55) [151741] Re: [OT] how many achieved QRP DXCC ?
by Bruce Rattray <rattray@gpfn.sk.ca>
- 56) [151742] Spartan.... signals
by "sslyon" <sslyon@megalink.net>
- 57) [151743] Re: Spartan....the unbearable lightness of Lithium batteries
by Lloyd Lachow <llachow@yahoo.com>
- 58) [151744] Walking Power Generators
by steve.lawrence@itwfeg.com
- 59) [151745] Re: 4W3DX and receivers
by Caitlyn Martin <ku4qd@earthlink.net>
- 60) [151746] Re: Walking Power Generators
by "Mike Yetsko" <myetsko@insydesw.com>
- 61) [151747] Re: The spam thing
by Pete Burbank <plburbank@earthlink.net>
- 62) [151748] Re: CW Selectivity. WAS: 4W3DX and receivers
by "Garey Barrell" <k4oah@mindspring.com>
- 63) [151749] Comments on the MFJ-269
by Mark Schoonover <schoon@amgt.com>
- 64) [151750] Re: Receivers & CW (was 4W3DX and receivers)
by Dale Botkin <dale@botkin.org>
- 65) [151751] RE: CW Selectivity. WAS: 4W3DX and receivers
by "Boulineau, Lee" <lee.boulineau@attws.com>
- 66) [151752] Re: Receivers & CW (was 4W3DX and receivers)
by <igeq100@iupui.edu>
- 67) [151753] Re: NorCal 10th Anniversary Report (Long)

- by "George Heron N2APB" <n2apb@erols.com>
68) [151754] For Sale
by edkess@pa.net
69) [151755] How to put an Elecraft K2 on 60 meters (updated)
by Wayne Burdick <n6kr@elecraft.com>
70) [151756] Re: NorCal 10th Anniversary Report (Long)
by "John_Evans" <jaevans@mail.codenet.net>
71) [151757] RE: NorCal 10th Anniversary Report (Long)
by "Boulineau, Lee" <lee.boulineau@attws.com>
72) [151758] 1st Spartan Sprint
by "Lawrence Makoski" <Makos327@worldnet.att.net>

Date: Mon, 02 Jun 2003 16:05:23 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [151687] Re: FS: Binaural RX, 100W Amp
Message-ID: <5.1.1.6.1.20030602160215.00a7bb30@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:18 PM 6/2/2003 +0000, you wrote:
>For sale:
>
>KK7B Binaural RX for 40M, works fine [...]
>
>Communication Concepts 100W + amp with output filters [...]

Alan,

After seeing that subject line I had visions of a Binaural RX hooked to a massive stereo amplifier. Imagine pulling up next to one of those kids with the monster bass beat coming from his car and turning on W1AW's 30 WPM code practice run.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 02 Jun 2003 16:10:34 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-1@lehigh.edu
Subject: [151688] Re: Spam
Message-ID: <5.1.1.6.1.20030602160945.00a78360@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:14 PM 6/2/2003 -0700, you wrote:

>So you wouldn't get to read my posting about "Ham radio is not a religion.
>Use your money to buy wire to lengthen your antenna, so you can use that rig
>that is on loan from your buddy to work Nigeria?"

But Doug, there's nobody left in Nigeria! Haven't you been reading your email? (Grin)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 2 Jun 2003 16:11:39 -0400
From: "John" <jdorson@worldshare.net>
To: <w2wurjj@verizon.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151689] Re: Need Capacitor
Message-ID: <001901c32943\$31173ce0\$59948b41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just found 2 of these in my cap. supplle and if you give me your name and address I'll put one in the mail to you.

John K2JHU...

----- Original Message -----

From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, June 01, 2003 2:08 PM
Subject: Need Capacitor

> I need a 2200 uF / 25 V axial (not vertical mount) cap. Can't find at

local

> suppliers. Tnx & 73, W2WU

>

>

Date: Mon, 2 Jun 2003 13:46:11 -0700

From: "Rich Johnson" <rjohnson390@attbi.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [151690] 2SC1969

Message-ID: <002401c32948\$0094ed10\$5c96d00c@END0EB86CD98A1>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I am looking for the power transistor 2SC1969, as used in the "Red Hot 20".
Any one know a vendor.

heers,

rich

Date: Mon, 02 Jun 2003 20:50:40 +0000

From: Larry Cahoon <lejek@erols.com>

To: k7qo@earthlink.net,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [151691] Re: Maha Energy Corp. thread

Message-ID: <5.1.0.14.0.20030602204805.02879b58@pop.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:14 PM 6/2/2003 +0100, Chuck Adams wrote:

>Gang,

>

>Let me throw in a plug for the above company. I have been using
>the model MH-C204F for over two years, so it may be the older model
>of theirs and no longer available.

>

>This charger must do them in series as it requires two AA or AAAs to work
>and there are 4 slots so that you can do two pair at once.

>

>But the thing that I like most is that it uses 12VDC at 0.5A for input. So if
>you want to take the thing in the car then you find a cigarette lighter plug

>with the matching plug for the Maha and you are in business on the road.

The C401-FS is rated 12V 1A. Mine came with the cigarette lighter adapter - the instructions do say make sure the car and supply the 1A current.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

Date: Mon, 02 Jun 2003 17:24:35 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-l@lehigh.edu
Subject: [151692] New at the QRP-ARCI Toy Store
Message-ID: <5.1.0.14.2.20030602171646.037b0a60@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

New stuff !!

HW-8 Hand Book, Second Edition

The Second Edition of the HW-8 Handbook is a complete re-write of the first edition

It's 104 pages long and spiral bound so it will lay flat on the table.

There are lots of photos and

schematics in it. Also included are a LOT more stuff for the HW-7, and a new DUAL RIT mod for the HW-8. There are complete PC board patterns and part overlays for the HW-7, HW-8 and HW-9. \$15 + \$4 Priority Mail Shipping

QRP-L Volume 5

All the best of QRP-l. This CD contains the entire QRP-l archive for the 20th century, and a couple dozen months of the 21st. Much of the material for this one is the same as Volume 4, except, of course, for the updated archives. \$6 postpaid USPS

Red coffee mugs with white imprint. \$9 postpaid

FDIM 2003 (105 pages) from this years FDIM seminar \$18 postpaid

We have FDIM proceedings from 1996. Four or more different years, \$10 each postpaid.

73 Hank K8DD

*

*

* The QRP-ARCI Toy Store *

* <http://www.qsl.net/k8dd/toystore/thetoystore.htm> *

*

*

Date: Mon, 02 Jun 2003 21:36:08 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: n9vv@wideopenwest.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151693] Re: [OT] how many achieved QRP DXCC ?
Message-ID: <5.2.1.1.0.20030602213447.00b165d8@smtp.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>

In the middle of Aug 1998 the QRP ARCI had issued 138 DXCC certificates. I do not know the current count.

Do you want them broken down by QRPP, band, etc. ???

Chuck Adams K7QO k7qo@earthlink.net
<http://www.qsl.net/k7qo> CP-60

Date: Sun, 1 Jun 2003 21:36:22 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [151694] FS: Shack cleanout items
Message-ID: <20030602.172948.9110.0.kc8aon@juno.com>

Still have the remaining items.

G5RV antenna, unused, made with Belden 14 gauge stranded brown insulated wire, center insulator has eyebolt for hanging as an inverted V. This is a full size G5RV, 102' long with 34' of 450 ohm windowline. No balun or connectors on end of balanced line. Made it up with new materials and

never used it - put up a 40 meter extended double zepp instead ! \$25
plus shipping

Various used parts too numerous to list, (meters, pots, knobs,
transformers, capacitors etc etc),
let me know what you need and I'll see if I have it. Prices will be
cheap !

If interested, please contact me off the list & thanks for the BW

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

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-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

----- End forwarded message -----

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-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

----- End forwarded message -----

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Date: Mon, 2 Jun 2003 14:37:59 -0700
From: "Bill Linn" <blinn@smgazette.com>
To: <lmairs@direcway.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [151695] Re: NorCal BLT Tuner
Message-ID: <008801c3294f\$4f779ca0\$6e70ef42@wa7tqk>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Lee, I just finished building a NorCal BLT also! I experienced similar performance and traced the problem back to faulty switches. The switches supplied with the kit have terminals that don't tin easily and extra heat (and it doesn't take much to be excessive) melts the case allowing the pins to become loose in the switch housing. (Unlike some of the miniature switches housed in something akin to Bakelite, these don't lend themselves well to this application. I replaced the one on the front panel with a slide switch.)

After replacing the switches and adding a trimmer cap across C2 for a bit more capacitance, it tunes my G5RV nicely to 15, 20, and 40 meters. Extinguishing that little LED is fascinating while watching the results on the NOGA SWR/Wattmeter!

Check those switches.. (Also the one you added for coaxial output.)

Bill - WA7TQK

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Mon, 02 Jun 2003 14:46:02 PDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-1@Lehigh.edu
Subject: [151696] Re: Solar Charging Question - Part 2
Message-ID: <20030602.164230.4631.1.n5ib@juno.com>

It's important to remember that the power dissipated by any device operating with dc is the product of the **voltage drop across the device** and the **current through the device**

So, if a zener diode rated 15 V is connected in parallel (cathode to +, anode to -) with a battery and a solar panel, and if the zener is conducting in the reverse bias mode (zener mode, voltage drop = 15 V) the power dissipated will be 15 volts multiplied by the current through the zener.

If the panel is capable of 350 mA, and the battery is fully charged, hence drawing little or no current, then the zener current will be very nearly the full 350 mA the panel can

deliver. And it delivers it to the zener, not to the battery or any other device. So ...

$$P = I \times V = (15 \text{ V}) \times (0.35 \text{ A}) = 5.25 \text{ W}$$

It's gonna get hot... trust me on this one...voice of experience...

The difference between 15 V and the panel voltage is only important for a device connected **between** the panel and the zener, thus seeing that difference as its own voltage drop, not for the zener itself. For instance, if 1 5.6 ohm resistor were in series with the panel, the panel voltage is 17 V and the zener is conducting, the the resistor's voltage drop is

$$17 \text{ V} - 15 \text{ V} = 2 \text{ V}$$

the current through the resistor would have to be

$$2 \text{ V} / 5.6 \text{ ohm} = 0.357 \text{ A}$$

and the power dissipated in the resistor would be

$$P = V \times I = (2 \text{ V}) \times (0.357 \text{ A}) = 0.71 \text{ W}$$

72,
Jim N5IB

On Mon, 2 Jun 2003 11:18:29 -0700 Mark Schoonover <schoon@amgt.com> writes:
>A couple
>people
>pointed out that I would need a 5 watt zener in order to dissipate 300
>ma at
>15 volts. I'm not totally convinced this is correct, because the zener
>will
>not be dropping 15 volts across, it will be more like 7 if the battery
>is
>almost charged.

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Date: Mon, 2 Jun 2003 17:50:25 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [151697] 6V to 12V converter
Message-ID: <172.1b3b2ae4.2c0d20a1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Some of you may have access to 6v gell cells and might find this of some use

<http://www.aaroncake.net/circuits/6-12conv.htm>

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Mon, 2 Jun 2003 17:59:29 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [151698] NI-MH Cells
Message-ID: <20030602175821.C76051-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I recall a post about some very inexpensive NI-MH aa cells. Just got a battery eater camera....would appreciate being pointed in the right direction

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Mon, 2 Jun 2003 18:15:09 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [151699] SPICE
Message-ID: <20030602181253.K78723-100000@unix1.vhost.min.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I never saved any messages about SPICE, but a friend sent me this message:

do you know of a decent SPICE program for windows
and Redhat 8.0 ??

It'd be nice to see one with a gui, rather than scrolling
text line-printer style output...

I'll pass on whatever information I pick up. I guess it's
a "pay back"....the guy gave me his old DX-40 and VF-1 ... one day I'll
restore them.

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Mon, 2 Jun 2003 19:28:00 -0400 (EDT)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [151700] WTB Icom separation kit
Message-ID: <Pine.LNX.4.33.0306021855450.31243-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This IC706MkIIG takes up "way" too much space on my desk :)
Anyone get a deal with rmk706 was included. If you did and never plan on
using it; I am interested. R&L electronics has the RMK706 for \$52 and
includes the mobile mount ,bracket for the faceplate and the separation
cable. If anyone has this and can beat their price; I'd rather buy yours.

73,

Jim n2go

Date: Mon, 2 Jun 2003 23:23:30 GMT
From: wo7t@juno.com
To: qrp-l@Lehigh.EDU
Subject: [151701] SW30+ Mod Help
Message-ID: <20030602.162635.2373.147283@webmail01.lax.unttd.com>
Content-Type: text/plain

QRP-l Gang:

I have a fresh new SW30+ kit. Would like to build it up ready to roll at 4.5W.
Have power mods been done for this 30M transceiver.

Thanks in advance for any details or help.

72,
Mark
wo7t@juno.com

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Date: Mon, 2 Jun 2003 19:25:15 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <lejek@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151702] Re: Maha Energy Corp. thread
Message-ID: <007401c3295e\$3a9ae440\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> At 04:14 PM 6/2/2003 +0100, Chuck Adams wrote:
>
> >Gang,
> >
> >Let me throw in a plug for the above company. I have been using
> >the model MH-C204F for over two years, so it may be the older model
> >of theirs and no longer available.
> >
> >This charger must do them in series as it requires two AA or AAAs to
work
> >and there are 4 slots so that you can do two pair at once.

> >
> >But the thing that I like most is that it uses 12VDC at 0.5A for input.
So if
> >you want to take the thing in the car then you find a cigarette lighter
plug
> >with the matching plug for the Maha and you are in business on the
road.
>
> The C401-FS is rated 12V 1A. Mine came with the cigarette lighter
adapter -
> the instructions do say make sure the car and supply the 1A current.
>
> 73 de Larry.....WD3P in MD
> <http://www.wd3p.net/>

I have the Radio Shack labeled version of the MaHa charger. Nice unit.
I bought it when it first came out to handle my son's RC cars. I quickly
found out it works gangbusters on Camcorder batteries, and on HT
packs.

This unit isn't for individual cells. It has the 'nail bed' on the top,
and an
RC power pack connector on the end. You can adjust the 'nail bed'
type interface to physically match to almost any battery pack that has
contacts on a flat side.

Another thing I did was take a small piece of plastic (a credit card) and
put copper foil strip on one edge. And a very small 'bolt' through it so
that when it's slipped onto the top of my HT battery packs, it makes
contact. Then you can get the connectors for the RC battery packs
at RS, and use that to hook to the MaHa.

Now to charge a pack, even the 'alkaline' packs that I fill with NiCad
or NiMH AA cells, I just slip the 'card' onto the top of the pack and
plug it into the MaHa. I don't have to take the cells out of the pack.
AND I can charge up 'sealed' packs.

But there is a caveat about using it in the car. The unit cannot charge
the highest voltage packs (I believe 12v) when powered from a car.
There probably isn't enough differential voltage between the input and
the pack to do so. Even WITH that limitation, it's a great unit!

Mike
N1DVJ

Date: Mon, 2 Jun 2003 18:54:27 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Ten-Tec Relector" <tentec@contesting.com>,
"qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [151703] Ten-Tec vs INRAD filters in OMNI VI+?
Message-ID: <412003612235427432@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Just wondering how the factory OMNI VI+ CW filters compare to the INRAD equivalents? I have a bare bones OMNI VI+ coming, so have an opportunity to decide. All responses will be welcome! Thanks in advance.

73,
--Doc/K0EVZ

Date: Mon, 02 Jun 2003 20:04:52 -0400
From: Jim Campbell <jim-c@charter.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [151704] Icom IC-u2AT CTSS Switch Settings
Message-ID: <3EDBE624.7060203@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I just dug up my IC-u2AT and discovered that in my recent move, I have misplaced the instruction manual. Would SKS that has one of these units please contact me off-list with the settings for the CTSS switches?
Many thanks.

72/73,

Jim
W4BQP

Date: Mon, 2 Jun 2003 20:14:45 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [151705] Re: I saw the light: Getting religion on SMT
Message-ID: <009801c3297e\$48b90910\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Couple corrections ...

> So I hung a four foot shop light over my bench
> (finally ignoring my wife's protests about its looks),

Did anyone actually believe that one? In reality, after much whining about not being able to see, I got approval to hang the light.

And I also said ...

>
> I plugged the things together, less the switches and encoder, and fired it
> up. The display said 40.000 MHz and my counter said 46.102 MHz, which is
> where I heard it in the receiver. Turns out it doesn't really
> initialize until you have some switch action,

That's not true. If I'd read the description of functions more closely, I'd have noticed that it comes up on the frequency stored in (non-volatile) memory location 00. So I stored 7040 there and ever since, it comes up on 7040 kHz.

72--Nick, WA5BDU

Date: Mon, 2 Jun 2003 17:14:19 -0700 (PDT)
From: "Mike, W9QS" <w9qs@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [151706] Code Cassette Tapes
Message-ID: <20030603001419.72094.qmail@web21201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello group,

I'm looking for some CW cassette tapes to listen to while commuting to work. I need to get my speed back up and that 30 minutes each way is wasted. I used to have a set of "writetapes" years ago which helped me pass the Extra. Please contact me off list.

Any help?

72

Mike, W9QS

Do you Yahoo!?

Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Mon, 2 Jun 2003 20:13:21 -0400
From: fcsww@juno.com
To: qrp-1@Lehigh.EDU
Subject: [151707] Re: NI-MH Cells
Message-ID: <20030602.201326.-3193257.0.fcsww@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try this URL om . . .

These bigger cells are not too cheap but they work great with a lot of capacity for AAs

<http://www.nimhbattery.com/mhc401fs.htm>

good luck
dick, w2scf

Date: Mon, 02 Jun 2003 19:20:56 -0500
From: Michael Goins <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [151708] Need a 2SC799
Message-ID: <518HFcau53952S06.1054599656@cmsweb06.cms.usa.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Looking for a 2SC799 transistor, on the off chance someone might have a spare one lying around. If I remember right, NorCal has some in a special buy a few years back (10 for \$10 maybe?). If someone has an extra one they'd part with, please let me know off list. Thanks in advance. =

72,
mike
wb5yjx
100% Solar station: SW20+, SW30+, NE4040, RM40
Mobile: FT-817 @ 1 watt, CW and SSB
QRP-ARCI 3922 (former managing editor, QRP Quarterly), =

SOC 54, Flying Pig 447, QRP-L 2130, Adventure Radio 810,
Alaska QRP 514, QCWA 30857

Date: Mon, 2 Jun 2003 20:23:20 -0400 (EDT)
From: <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151709] Re: WTB Icom separation kit: got one
Message-ID: <Pine.LNX.4.33.0306022022560.947-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks.

73,

Jim n2go

Date: Mon, 2 Jun 2003 20:19:48 -0400
From: fcs@juno.com
To: qrp-l@Lehigh.EDU

Subject: [151710] Fw: Re: NI-MH Cells
Message-ID: <20030602.201951.-3193257.1.fcs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I mis - spoke ... not "bigger" but AA size in all respects except for a lot of capacity in such a small package...
I use them in a digital camera too and recommend them.
(also see above the "MAHA" thread ...

dick,w2scf

----- Forwarded message -----
From: fcs@juno.com
To: qrp-1@Lehigh.EDU
Date: Mon, 2 Jun 2003 20:13:21 -0400
Subject: Re: NI-MH Cells

Try this URL om . . .
These bigger cells are not too cheap but they work great with a lot of capacity for AAs

<http://www.nimhbattery.com/mhc401fs.htm>

good luck
dick, w2scf

Date: Tue, 3 Jun 2003 00:56:00 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: jdorson@worldshare.net
Cc: qrp-1@Lehigh.EDU
Subject: [151711] Re: Need Capacitor
Message-ID: <20030602.175614.1651.147152@webmail04.lax.untel.com>
Content-Type: text/plain

I sent him one today.

Wayne_W5KDJ
NW Houston
SV0WWW_TF2WJN
ARS_1392 ARCI_11325 FISTS_10060 SOC_538

--- "John" <jdorson@worldshare.net> wrote:

I just found 2 of these in my cap. suppl and if you give me your name and address I'll put one in the mail to you.

John K2JHU...

----- Original Message -----

From: "W2WU" <w2wurjj@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, June 01, 2003 2:08 PM

Subject: Need Capacitor

> I need a 2200 uF / 25 V axial (not vertical mount) cap. Can't find at local

> suppliers. Tnx & 73, W2WU

>

>

Date: Mon, 02 Jun 2003 21:39:56 -0400

From: Scott Whitmire <sew1@acsu.buffalo.edu>

To: qrp-1@Lehigh.EDU

Subject: [151712] Re:Reading the comics

Message-ID: <3EDBFC6C.1070501@acsu.buffalo.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Greetings,

What is going on is that a free electron is "falling into the hole". That is, it is captured by the atom that is missing the electron. This final energy state (for the incoming electron) is lower than the energy it has when it is free. That energy has to go somewhere, and where it goes is the photon that is liberated. Hope this helps!

73

Scott

Date: Mon, 2 Jun 2003 20:34:42 -0500

From: Edgar R Guillot <n5ed@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [151713] Re: Spam & qrp list
Message-ID: <20030602.203443.1544.1.N5ED@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had some success by using my email assistant in Juno to redirect my mail "not sent directly" to a separate folder. In the Inbox I get most spam and a few good items, and in the other folder I get mostly good stuff. I was getting a lot of doubling of messages in the Inbox, that is why I wanted the good stuff out of the Inbox. Ed

On Mon, 2 Jun 2003 11:16:46 -0700 "k7prz" <k7prz88@prodigy.net> writes:

> With spam being such a problem lately, one has to watch
> what he or she puts in the subject line. Using Outlook Express and
> the message rules program, the posts having the word "religion" in
> the
> subject line get dumped into my spam folder to look at later.
> Other words are loan, lengthen, money, Nigeria, etc., and the often
> seen
> 3 and 4 letter words that I don't need to mention.
>
> Just a thought when composing your subject line.
>
> Dave
> k7prz
>
>
>
>
>

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 02 Jun 2003 19:47:12 -0700
From: Terry Owen Permenter <top@whidbey.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [151714] Re: NI-MH Cells
Message-ID: <3EDC0C30.19BC14AB@whidbey.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thom: The source was MCM (800) 543-4330 or www.mcmnone.com
I bought 100 of them just before Christmas, at a great per item price,
gave most (too many!)
away as stocking stuffers... not sure if they still have them. They
work great in the digital
camera! I've seen the same batteries at "best buy" for many \$!
72, Terry K7OI

Thom LaCosta wrote:

>
> I recall a post about some very inexpensive NI-MH aa cells. Just got a
> battery eater camera....would appreciate being pointed in the right
> direction
>
> Thom
>
> baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster
> <http://www.baltimoremd.com/> Baltimore's Home Page
> <http://www.baltimorehon.com/> Home of the Baltimore Lexicon
> <http://www.zerobeat.net> Home of The QRP Web Ring and DrakeList
> <http://www.tlchost.net> Web Hosting as low as \$3.49/month

Date: Mon, 2 Jun 2003 20:12:32 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151715] Re: [OT] how many achieved QRP DXCC ?
Message-ID: <20030603031232.44475.qmail@web41004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

...and what of the ops who achieve QRP DXCC, but
are not interested in applying for any certificates?
How shall they be counted, if at all?

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS #1301 - QRParci #11147 - FISTS #8774
FPQRP #476 - QRP-L #2415 - SOC #530
Fun = Skill / Power !

Do you Yahoo!?

Yahoo! Calendar - Free online calendar with sync to Outlook(TM).

<http://calendar.yahoo.com>

Date: Mon, 2 Jun 2003 22:16:50 -0500

From: "Andy Palm" <acpalm@concentric.net>

To: <qrp-1@Lehigh.EDU>

Subject: [151716] Greetings and Thanks to the QRP List

Message-ID: <000f01c3297e\$93e3bde0\$2b98ee42@andy>

Greetings, all. I'm 56 and have been a ham since 1991. I went QRP in 1992 when I found out what 100 watts did to my condo neighbors' TV sets. I used a homebrewed 1 watt VXO rig, kit 40m receiver, and several feet of #26 "magnet wire" out a third story window to a tree across the street. I later started building kit transceivers, but went off the air for nearly seven years when we moved here to Wisconsin.

A year ago March I got back on the air with an FT-817 and MP-1 combination. I operated portable, even at home, until I figured out how to have an outside antenna and an indoor shack. After that I got a Ten Tec Jupiter and developed a home station. However, this spring, thanks to lurking on this list, I got interested in putting together a "very portable" station. Because of this list's messages and links I've put together this station:

- Norcal 40A
- Norcal BLT
- Norcal Doublet with either a 20 ft. SD-20 center and two 10 ft. Black Widow end supports (inverted vee) or a 22 ft. windsock pole as the center and two 20 ft. SD-20's as the end supports (straight dipole)
- Codeboy keyer (yes, the Norcal has a nice keyer, but I'm not crazy about the muting and the Codeboy helps)
- NB6M homebrew single paddle from the Norcal website
- Ear buds
- 2.9 Ah gel cell and sometimes solar panel and A&A Engineering charger

All of this, except for the support poles, charger and solar panel, fits in a toolbox or backpack. I've been having a blast with this station, in my back yard, on the lawn at work during lunch, or at a park at the end of a bike trip. Today I just got a K1 kit to get more bands (although the 40A is sweet).

I wanted to thank all of you on this list for your ideas and discussion. These have added greatly to my enjoyment of amateur radio. I tried my first Spartan Sprint this evening, and it was fun. I hope I'll catch some of you on the Flight of the Bumblebees in July. I'll be Bee Number 109 and operating in Northeast Wisconsin.

Best regards,
Andy N1KSN
Menasha, WI

Date: Mon, 2 Jun 2003 22:16:52 -0500
From: "K5KW" <k5kw@onrampok.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151717] 2SC1969
Message-ID: <001901c3297e\$94d65b40\$135258d8@21byq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<< Rich Johnson wrote:
I am looking for the power transistor 2SC1969.
Anyone know of a vendor? >

Yes, Rich. RF Parts in San Marcos, CA, Ph. 800-737-2787, lists the 2SC1969
at \$ 2.50 each.

Usual disclaimers, just saw 'em in a new catalog they sent me.

72,

Don, K5KW
Fort Gibson, OK

Date: Mon, 2 Jun 2003 22:22:31 -0500
From: "George, W5YR" <w5yr@att.net>
To: <w9qs@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151718] Re: Code Cassette Tapes
Message-ID: <038701c3297f\$5f55f4c0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you can't find any, trying taping W1AW sessions and make your own . . .

Better yet, tape some good clear QSOs and work on those.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "Mike, W9QS" <w9qs@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, June 02, 2003 7:14 PM

Subject: Code Cassette Tapes

> Hello group,

>

> I'm looking for some CW cassette tapes to listen to
> while commuting to work. I need to get my speed back
> up and that 30 minutes each way is wasted. I used to
> have a set of "writetapes" years ago which helped me
> pass the Extra. Please contact me off list.

>

> Any help?

>

> 72

>

> Mike, W9QS

>

> -----

> Do you Yahoo!?

> Yahoo! Calendar - Free online calendar with sync to Outlook(TM).

> <http://calendar.yahoo.com>

Date: Mon, 02 Jun 2003 23:30:33 -0400

From: Pete Burbank <plburbank@earthlink.net>

To: qrp-l@lehigh.edu

Subject: [151719] The spam thing

Message-ID: <5.2.0.9.0.20030602232331.00a50800@Earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

A good ham friend runs computer security at a nearby university.
He says that spamassassin nails about 19,000 msgs/hour.
Usual disclaimer.
73 Pete NV4V

Date: Mon, 2 Jun 2003 21:54:58 -0600
From: "Paul Ermisch" <paul@ermisch.com>
To: "Qrp-List" <qrp-l@Lehigh.EDU>
Subject: [151720] Spartan sprint attempt
Message-ID: <NHBBIAMAFPBCKANGJGAPDEEOECBAA.paul@ermisch.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just finished the 20M module for my AT Sprint last night so I really wanted to get some sprint action tonight. After fumbling with the Z-tuner for a half-hour (long story), I finally started hearing something on 20M but by that time I figured most folks had migrated to 40M. Unfortunately, because of a heavy storm cell east of Denver, 40M was a huge wall of crackling sounds. The narrow AT Sprint filter made it too hard for me to decipher even very strong signals so I went back to 20M and made about 5 contacts over the next hour. Enough to know that things were working. I got about 1.5W out of a 9V battery - probably will get more after I tweak the coils.

Paul KB0LUR

Date: Tue, 3 Jun 2003 00:10:58 -0400
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: <qrp-l@lehigh.edu>
Subject: [151721] More power from SW+ rigs
Message-ID: <02aa01c32986\$43611c20\$dfccfea9@turbotoo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone just asked about getting more power from
thier SW30+ rig. I shutter when I see questions

like this!

Short answer, don't even try!

Long answer:

The weak link in the SW+ transmitter is the driver stage. It's prone to break into oscillation when driven too hard. This is exactly the stage which has to work harder in order to get more power out of the rig. However, there are a few things you can do to improve the situation, especially if you have a rig which is prone to oscillation when the drive control is turned all the way up. You know you have oscillation problems if your SWR goes way up and or the zener across the final shorts out!

I have found that in many cases, reducing the bias current in the driver stage can improve it's stability. Some 2N4401's are "hotter" than others. If you have one with higher than average gain, make the base bias resistor to the + supply one or two sizes larger in value. Sometimes just making the emitter resistor a little larger will also do the trick, especially the 20M versions. Go from 22 ohms to 32 ohms. Sometimes both resistors need to be changed.

To get a little more power out, optimize the number of turns on the driver coil secondary to the PA. Try one turn less. Also the direction in which the secondary is wound can make a difference. Try compressing the turns on the L4 coil in the LPF. This will often give you a few 100 mw's of extra power.

All in all, 3 to 3.5 watts out on 40/30 and 2 -2.5 watts on 20 is the most you can expect to get out of this rig. To do more you have to redesign it and add another stage to the transmitter line up. Not real practical. In any event, if you can't work them with 2-3 watts, using 4 isn't going to make it much better. You need a better antenna or a new hobby :-)

72,

Steve, KD1JV

White mountains of New Hampshire

"melt Solder"
www.qsl.net/kd1jv/

Date: Tue, 03 Jun 2003 04:48:43 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: baltimoremd@baltimoremd.com, qrp-1@Lehigh.EDU
Subject: [151722] Re: SPICE
Message-ID: <Law15-F9xDEA2VqFnW00000064a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Thom LaCosta <baltimoremd@baltimoremd.com>
>Reply-To: baltimoremd@baltimoremd.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: SPICE
>Date: Mon, 2 Jun 2003 18:15:09 -0400 (EDT)
>
>I never saved any messages about SPICE, but a friend sent me this message:
>
>do you know of a decent SPICE program for windows
>and Redhat 8.0 ??
>
>It'd be nice to see one with a gui, rather than scrolling
>text line-printer style output...
>

SPICE OPUS: <http://fides.fe.uni-lj.si/spice/>

The library is rather sparse.

Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Get Hotmail on your mobile phone <http://www.msn.co.uk/msnmobile>

Date: Tue, 3 Jun 2003 01:00:35 EDT

From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [151723] Feedline loss calculator
Message-ID: <1aa.155b2a56.2c0d8573@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

While on eHam came across this info that might be of value to you folks
interested in feedline losses

<http://www.ocarc.ca/coax.htm>

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Mon, 2 Jun 2003 22:25:25 -0700 (PDT)
From: Garie Halstead <khyberpass65@yahoo.com>
To: Low Power radio discussion <qrp-1@Lehigh.EDU>
Subject: [151724] Spartan Sprint
Message-ID: <20030603052525.55354.qmail@web80504.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My thanks to those FB stations who took the time to dig me out of the
noise tonight.

K7RE	CW 14	SD 5W
N7LT	CW 14	MT 5W
W3KC	CW 7	MD 5W
KB8OMG	CW 7	OH 5W
WA4CIT	CW 7	NC 5W
N3AO	CW 7	PA 5W
K3TW	CW 7	MD 5W
KG8GW	CW 7	WV 5W
NA8M	CW 7	MI 5W
K04PY	CW 7	NC 5W
W5YR	CW 14	TX 5W
WA8ZBT	CW 14	TX 500MW
K0EVZ	CW 14	ND 4W
K7TQ	CW 14	ID 5W
K6III	CW 14	CA 4W
KG7Z	CW 14	WA 5W
K5JHP	CW 14	TX 5W

72, Gary -K8KFJ-
West Virginia

Do you Yahoo!?

Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Mon, 2 Jun 2003 22:37:51 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [151725] Re: The spam thing
Message-ID: <20030603053751.GA3400@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Jun 02, 2003 at 11:30:33PM -0400, Pete Burbank wrote:
> A good ham friend runs computer security at a nearby university.
> He says that spamassassin nails about 19,000 msgs/hour.
> Usual disclaimer.
> 73 Pete NV4V

I'd hate to get that many messages per hour in any case, but
spamassassin works pretty well for me.

73,
Bob, N7XY

Date: Mon, 2 Jun 2003 22:39:04 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [151726] Re: [OT] how many achieved QRP DXCC ?
Message-ID: <20030603053904.GB3400@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Jun 02, 2003 at 08:12:32PM -0700, Lloyd Lachow wrote:
> ...and what of the ops who achieve QRP DXCC, but
> are not interested in applying for any certificates?
> How shall they be counted, if at all?

We know who we are. 'Nuff said.

Date: Mon, 2 Jun 2003 22:46:27 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [151727] Re: Greetings and Thanks to the QRP List
Message-ID: <010901c32993\$7b57f880\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

No Andy, thank you for sharing that with us. Gee, Mr. Kennedy yesterday,
Mr. Palm today. This is a neat list to read. Thanks again. 72, Doug

Date: Mon, 2 Jun 2003 22:51:30 -0700
From: "Bill Linn" <blinn@smgazette.com>
To: "Lee Mairs" <lmairs@direcway.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151728] Re: NorCal BLT Tuner
Message-ID: <006401c32994\$41bfe6e0\$9e70ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lee, 40 meters was my problem too. When I initially tried to tune it to
40 meters, C2 was in the extreme counter-clockwise position and the LED
still glowed a bit. Useable but not quite right. I couldn't tell if this
CCW position was fully meshed or open, so I unsoldered the center lead and
measured it with my LCR meter which showed it to be 238 pf with the
trimmers meshed. So... I found a small trim-cap in the parts bin, seems
like it measured 7 pf at the low end and peaked around 75 pf. I had
soldered a bare wire across the variable caps, connecting to pins 1 & 3 on
both. This made a solid bus of sorts, so soldering in the trim-cap from
the center lug to this makeshift bus was easy to do. After installing I
adjusted the trim cap by turning C2 fully CCW then tuning the trimmer
through the dip just a bit in order to have a little margin. I re-checked
20 and 15 meters and they would still tune, so adding the trim-cap didn't
upset the tuning too much. I was prepared to drill a small hole in the
cover to allow tweeking the trimmer, but it hasn't been necessary yet. A
great little tuner!

Bill - WA7TQK

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[Visit us on the web at SMGazette.com]

Date: Mon, 02 Jun 2003 20:54:27 -0400
From: Leland Berman <N3LJB@comcast.net>
To: qrp-l@lehigh.edu, "'FT-817 Group'" <FT817@yahoogroups.com>
Subject: [151729] [FT817] FT-817 F/S
Message-ID: <000801c3296a\$a770170\$6601a8c0@Leland>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hey all-

I have a FT-817 with NiCD battery pack installed. 9.5/10 visually. Comes with CT-62 cable and whip antennas for 440/2/6 and telescopic whip for 6-80 meters. All this for \$500, plus shipping to your QTH. Please respond direct to N3LJB@comcast.net, and as soon as possible. Thanks and 72! Leland N3LJB

[Non-text portions of this message have been removed]

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Date: Tue, 3 Jun 2003 06:21:56 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151730] Binaural RX and Amp SOLD
Message-ID: <Law9-0E16iDER0pMseS0002b12b@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Both items are sold. Thanks for all the replies.

Alan, N3BJ

Date: Tue, 3 Jun 2003 06:45:31 -0400
From: Haines Brown <brownh@hartford-hwp.com>
To: sew1@acsu.buffalo.edu
Cc: qrp-1@Lehigh.EDU
Subject: [151731] Re: Reading the comics
Message-ID: <200306031045.h53AjVTo018992@hartford-hwp.com>

As one atom passed another on the street, said one to the other, "My,
but you are indeed looking poorly today."

Replied the other: "Yes, somehow I managed to loose one of my electrons!"

The first, incredulous: "Are you sure?"

"Yes, I'm positive."

[sorry for the OT]

Date: Tue, 3 Jun 2003 06:44:59 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [151732] Mobile Antenna's
Message-ID: <Pine.LNX.4.44.0306030601130.1470-100000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Summer is here in the desert southwest and this is the time to tow my old trailer up into the New Mexico mountains (Gila National Forest, first Wilderness in USA) and do some portable ham radio. I like to have HF in the mobile because where I go is pretty wild. No Two Meters, No cell phone, no telephone period. No electric wires.

So the mobile needs to be effective and the drop in the HF bands capability has been spectacular these past few months. During the past 8 years I have been happy with Hamstiks mounted at the roof level of the car. From 40 meters up they worked quite well and I used them to even work in Fox Hunts.

I also have a Hamstik for 75 meters but it's not much good. I once did a good X-Y test between this and a full size 80 meter dipole at 20 feet. The Hamstik is 30 DB below the dipole...

In the wilds of Texas they have a similar problem. They want to get back to the old gang on 3941 KHz. Of course a 30 DB drop in signal will not make it through the noise and QRM on 80 meters. So about 30 years ago the "Texas Bug Catcher" was born. Then and now it consists of a bottom section about 3 feet long, a HUGE 6 inch diameter coil with 100 turns of number 12 wire, and then a 8 foot whip above that. A rope is tied above the coil and the other end tied to a door handle. At 80 miles an hour, the normal city speed there, there have been known cases where the rope opens the door...

Between the big antenna and the Hamstik there is the smaller screwdriver tuned antenna. Mine has a 2 inch diameter coil and a 5 foot whip. I can vary the inductance and work on all bands 10 through 80 meters. Yesterday morning I had to get blood work done for a Doctor so I checked into the New Mexico Breakfast Club at 0630 local time on 3939 KHz. Net Control heard me just fine and when my turn came I explained I was mobile and several stations, one in Colorado, said I was solid copy. So this antenna is much better than the Hamstik but less good than the big Texas jobs.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Tue, 3 Jun 2003 07:32:14 -0500
From: mark.milburn@juno.com
To: qrp-l@lehigh.edu
Subject: [151733] Iowa QRP Club CW Net
Message-ID: <20030603.073257.-395105.0.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Iowa QRP Club CW Net will be held on or about 7.112 Wednesday evening at 8 PM Iowa time (CDT), or Thursday morning 0100Z. All are welcome to join in.

Mark KQ0I
Des Moines, Iowa
Instant Messenger: markkq0i

Date: Tue, 3 Jun 2003 08:38:02 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@Lehigh.EDU>, <fpqrp-l@fpqrp.com>
Subject: [151734] Pure QRP
Message-ID: <006701c329cc\$fabd4100\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

As one atom passed another on the street, said one to the other,
"My, but you are indeed looking poorly today."

Replied the other:
"Yes, somehow I managed to loose one of my electrons!"

The first, incredulous: "Are you sure?"

"Yes, I'm positive."

-Diz

Date: Tue, 03 Jun 2003 08:37:48 -0400
From: Leland Berman <N3LJB@comcast.net>

To: qrp-1@Lehigh.EDU
Subject: [151735] Spartan Sprint results...
Message-ID: <b85f3ab84162.b84162b85f3a@icomcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-language: en
Content-transfer-encoding: 7BIT
Content-disposition: inline

Hey all-

Last night I experienced my first ever Spartan Sprint and I learned one thing...filters were invented for a very good reason. I only managed 8 QSOs over the 2 hours, but it was sure an experience. Next month I hope to do better, and maybe buy a CW filter or two, or maybe get an Elecraft K1...hmmm...72- Leland N3LJB

Date: Tue, 03 Jun 2003 08:07:14 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151736] Re: [ham] OT Re: Spam
Message-ID: <5.2.0.9.0.20030603080224.00a96e38@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

That is not true, I just received a letter from Nigeria this morning, that if I give them my Bank account number, they will transfer \$23,000,000.00 to my account and I can keep 20%. I'm going to be rich. ;>}

At 03:10 PM 6/2/2003, David Hinerman wrote:

>At 12:14 PM 6/2/2003 -0700, you wrote:

>>So you wouldn't get to read my posting about "Ham radio is not a religion.
>>Use your money to buy wire to lengthen your antenna, so you can use that rig
>>that is on loan from your buddy to work Nigeria?"

>

>But Doug, there's nobody left in Nigeria! Haven't you been reading your
>email? (Grin)

>

>Dave

>

>

>

>-----

>Dave Hinerman

>WD8CIV@worldnet.att.net

Cecil
KD5NWA

Date: Tue, 3 Jun 2003 09:07:01 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Cc: <N3LJB@comcast.net>
Subject: [151737] Re: Spartan Sprint results...
Message-ID: <NFBBIILMKCMIIILGKAJMBLKEPPCJAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Leland,

I ran for about an hour, using my DSW-40, and managed to scrape out 6 Q's.
But it was brutal and I finally said, "this is too much like work" and went
and walked the dog.

Same basic conditions as during the Hoot Owl Sprint. As much as I love my
K1 (and it probably would have been better than the DSW last night), I doubt
it would have held muster either. During the HOS, I was constantly changing
filters around on my K2 (significantly better filtering than the K1) just to
maintain copy. REALLY looking forward to assembling and installing my new
DSP board I got at Dayton...

Pray for progress at the WARC!

72 de Mike, K04WX

Date: Tue, 3 Jun 2003 09:08:24 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [151738] Looking for VE3JC...
Message-ID: <NFBBIILMKCMIIILGKAJMBLCEAACKAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anybody know how to get a hold of John Cumming, VE3JC???

72 de Mike, K04WX

Date: Tue, 3 Jun 2003 06:20:01 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151739] Re: Spartan Sprint results...
Message-ID: <20030603132001.22676.qmail@web41009.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I ran my K1 last night in the Sprint, and wound up with 17 on 40M and 18 on 20M. I found that I got the best results by leaving the filter wide open and using the 'neurofilter.' I usually narrow it down, but the sigs were very weak last night, and that worked best. It was amazing to work stations at the very edge of perception!

Love that Sprint.

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS #1301 - QRParci #11147 - FISTS #8774
FPQRP #476 - QRP-L #2415 - SOC #530
Fun = Skill / Power !

Do you Yahoo!?
Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Tue, 3 Jun 2003 09:42:19 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [151740] Re: I saw the light: Getting religion on SMT
Message-ID:
<6D6463F31027B14FB3B1FB094F2C74470347AF9F@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

> Steve,
>=20
> A method I've been meaning to try ("Real Soon Now") is to place all =
the=20
> traces on the component side and leave the other side a solid copper =
plane=20
> for ground. Ground nodes in the circuit would be drilled though and=20
> connected with wires soldered on both sides.
>=20
> It seems like it would save a lot of routing woes by knowing you can =
always=20
> reach a ground. Also, there are fewer holes to drill. Power and signal =

> still need to be routed, and components would be mostly surface =
mounted=20
> whether they like it or not. But for most of the low power circuits I=20
> build, the leads usually don't need to extend though the board anyway.
>=20
> It'd be sort of like Manhattan construction, but with tracks as well =
as=20
> pads laid "on top of" the ground plane.
>=20
> Dave

I used this method for the audio portion of my 80 meter transceiver. Tracks on the front, printed with laser printer & transfer paper, and ground plane on the back. Holes drilled wherever a component connects to ground. Components (all are normal thru-hole parts) mounted surface-mount style on the side with the tracks, except that those leads that need ground go through a hole to the back.

This needed lots fewer holes than the other approach, where the parts are mounted on the ground-plane side. But you have the soldering iron in among the parts, rather than safely separated on the back, so you need a steady hand... As you guess, the layout was relatively easy, since one heavily-used net (ground) disappears from the problem. And I assume the big ground plane is good electrically too.

I also used holes (with countersink on the ground side) to connect this circuit to the RF portion, which was built Manhattan & ugly style on the other side of the same board. The little solder bumps of the ground connections made placing Manhattan pads a challenge, and I was trying to squeeze 10 lbs of circuit into a 5 lb space... Still, the result works and I learned a lot. Next time I think I'll make a similar surface-mount style PCB for the RF portion, and mount the two boards

with their ground planes together.

-- Bill AB1AV

Date: Tue, 3 Jun 2003 08:12:56 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Lloyd Lachow <llachow@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151741] Re: [OT] how many achieved QRP DXCC ?
Message-ID: <Pine.LNX.4.33.0306030810580.11883-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Lloyd...I'm in that category...I've worked DXCC QRP but so far haven't applied for a certificate...too busy building and operating and working on the honey-do lists...hihi...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 3 Jun 2003 11:05:25 -0400
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [151742] Spartan.... signals
Message-ID: <001501c329e1\$908324c0\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep... bands were really punky. QSB was very slow and very deep. I did manage to hit the left coast on 20m and 40m -but it wasn't easy. Strange tho.... WA8ZBT (TX) at 500mW was solid here in the Upper Right Corner. Managed only 33 Q's and 20 SPC's operating 1.5 (interrupted) hrs. Operated inside due to winds >35mph, and being really sore from playing amateur logger. (chain saw variety)

Ran the AT Sprint on tired AA's for a bit less than 4W out to the 175' EDZ at 55'. Got the "Spartan" specified weight down to 12.1 oz. now and will post photo with ARS shortly. Thanks again ARS!

73
aa1my

Seabury Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Tue, 3 Jun 2003 08:19:09 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151743] Re: Spartan....the unbearable lightness of Lithium batteries
Message-ID: <20030603151909.22826.qmail@web41003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

FWIW dept...per the scale at my PO, eight standard
AA batteries weighed 7 ounces, while eight RS Lithium
AAs weighed 4.3 ounces.

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS #1301 - QRParci #11147 - FISTS #8774
FPQRP #476 - QRP-L #2415 - SOC #530
Fun = Skill / Power !

Do you Yahoo!?
Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Tue, 3 Jun 2003 14:12:42 -0400
From: steve.lawrence@itwfeg.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [151744] Walking Power Generators
Message-ID: <0FC5F4391C.116F15E9-ON85256D3A.0062358D-85256D3A.006409ED@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Interesting technology in development... generate electrical power while you walk (read the right column "Power Walk"):

http://www.infoworld.com/article/03/05/30/22FEbattlesupply_1.html?wireless

Essentially, polymer materials embedded in the heel of a boot are being considered as a potential power source for our new generation of computerized militia. According to this article, nearly 10 pounds of batteries are carried in 100 pounds of gear and the army is looking for new ways to power all the hi-tech stuff carried today!

Imagine: recharging your QRP station batteries as you hike in... rain or shine! Or, actually choosing to QLF -- to power your station!

Steve
aa8af

Date: Tue, 3 Jun 2003 14:24:10 -0400
From: Caitlyn Martin <ku4qd@earthlink.net>
To: QRP-L@lehigh.edu
Subject: [151745] Re: 4W3DX and receivers
Message-ID: <20030603142410.06d8ae7b.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Mon, 2 Jun 2003 09:09:15 -0500 (CDT)
Dale Botkin <dale@botkin.org> wrote:

>
> I pretty much suck at being able to copy one signal when there are
> others present. The signals I'm not working are too much of a
> distraction, and I can't concentrate on the one I'm working

Hi, Dale, and everyone else,

I am pretty much the same way. Pretty much any distraction kills my ability to copy CW. A while back I picked up a Mizuho AP-1D Audio Processor. It's an older, analog, outboard unit, but it does have a very effective and very narrow (down to 50Hz) audio peak filter. With my older or simple QRP rigs it allows me to copy just the one signal. There have been many such units, both DSP and analog, out over the years. Some work better than others, and which is best for you depends on your ears and your habits.

FWIW, CW is something I have to be in the mood to do. I was told, way

back when, that when I got past 13 WPM it would no longer be a chore for me. I passed the General back then, went forward, and was told when I got past 20 WPM it would no longer be a chore for me. Then, when I passed 20WPM I was told 25 was the magic number. Guess what? There is no magic number. I'll likely be a CW op at our club field day this year because my code speed is among the best in the club. It is STILL hard work to copy CW, and requires real concentration on my part.

Why do I still work CW? Well... sometimes, especially portable and QRP, it's all that works. Also, on VHF it has allowed me to make some incredible contacts that wouldn't have been possible had I insisted on SSB only. Finally, I picked up some really neat CW-only Mizuho portables, and I wanted to see what I could do with them. I feel that I'd really be missing something if I gave up on CW, but...

Unlike most people on this list, my mode of operation at least 90% of the time is SSB QRP. Of course, it's really nice to have CW to fall back on when I need it.

72/73,
Caity
KU4QD

Date: Tue, 3 Jun 2003 14:20:28 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <steve.lawrence@itwfeg.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151746] Re: Walking Power Generators
Message-ID: <009901c329fc\$d1abcae0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Essentially, polymer materials embedded in the heel of a boot are being
> considered as a potential power source for our new generation of
> computerized militia. According to this article, nearly 10 pounds of
> batteries are carried in 100 pounds of gear and the army is looking for
> new ways to power all the hi-tech stuff carried today!
>
> Imagine: recharging your QRP station batteries as you hike in... rain
or
> shine! Or, actually choosing to QLF -- to power your station!
>
> Steve
> aa8af

Hmm, I wonder... That would actually help cushion the impact of walking on the body, right? I mean, if it's diverting mechanical energy to electrical, wouldn't it be doing the same thing as a pad from the body point of view?

Mike

Date: Tue, 03 Jun 2003 14:11:04 -0400
From: Pete Burbank <plburbank@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151747] Re: The spam thing
Message-ID: <5.2.0.9.0.20030603131943.00a49c70@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:37 AM 6/3/2003, Bob Nielsen wrote:

>On Mon, Jun 02, 2003 at 11:30:33PM -0400, Pete Burbank wrote:
> > A good ham friend runs computer security at a nearby university.
> > He says that spamassassin nails about 19,000 msgs/hour.
> > Usual disclaimer.
> > 73 Pete NV4V
>
>I'd hate to get that many messages per hour in any case, but
>spamassassin works pretty well for me.
>
>73,
>Bob, N7XY

Bob,
yep, it is somewhere around 30,000 students and I guess some are not too careful about where they look around on the internet. I'm not sure how it all works but gather that it is a central entry point into the campus. I run Norton A/V and it nailed one virus today. I don't get much spam and I think it has to do with avoiding any sites that look the least bit shady. I was a bit shocked a few days ago to get what looked like a chain letter scam from QRP-F. It was from some clown named Jerry (no last name/call) and you send 6 rasbucknicks to someone and pretty soon you are a millionaire. The old rule that if it looks too good to be true it no doubt is not true. I never get any junk that seems to be related to being subscribed to QRP-L .which

is IMHO a real credit to this list.
73 Pete NV4V

Date: Tue, 3 Jun 2003 15:40:59 -0400
From: "Garey Barrell" <k4oah@mindspring.com>
To: <ku4qd@earthlink.net>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [151748] Re: CW Selectivity. WAS: 4W3DX and receivers
Message-ID: <00ff01c32a08\$0ef5ca80\$6401a8c0@hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Caity -

The key to your "problem" is in the next-to-last sentence of your comment!!

The reason so many people today find it hard to copy CW in the presence of other stations is because they have not learned to "tune out" the other signals. This is a direct result, I believe, of the outstanding receivers available to hams today!!

This is about to turn into one of those "I walked to school every day in the snow, uphill both ways" kind of stories!

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When you are at a party or other group of people all standing around talking, it's not particularly difficult to single out one conversation (signal) and listen (copy) to that one while tuning out the rest. Admittedly it is a little harder today since just about all signals are "perfect" and sound the same. In the 50's there were all

kinds of signals, some with chirp, some with hum, some with clicks, and a few (very few) perfect ones.

Again, the key is familiarity with the "language". If you walked into a party where everyone was speaking Russian, they would all sound the same, and you wouldn't be able to understand any of them. However, if one was speaking English, you would be able to concentrate on that one and all the rest would fade out.

There IS a "magic number", but it isn't A number. There is a real threshold around 10-15 wpm where it is no longer easy to "count" dots and dashes, and you hear only the "sound" of the character. Just as you don't spell out each word that you hear spoken, you hear the only sound of the entire word. This is why the "Farnsworth" method of learning CW works so much better than starting off counting dots and dashes at very slow speeds.

Just keep in mind that it probably took you a couple of years to learn to speak and understand English, using it all day, every day!

The best way to get your code speed up is to listen to it as much as you can. While you're building that new QRP rig, have a receiver on, and tune it around 7025 or 14025 with the filter wide open and just let it go. Pretty soon you will find that you are picking out characters, words, and even phrases without even thinking about it or even really "hearing" it. Even at much faster speeds than you "can copy." Kind of like listening to your husband / boyfriend while you are watching television. You don't hear every word, but every once in a while you'll hear a word or two!!

73, Garey - K40AH
Atlanta

----- Original Message -----

From: "Caitlyn Martin" <ku4qd@earthlink.net>

> On Mon, 2 Jun 2003 09:09:15 -0500 (CDT)

> Dale Botkin <dale@botkin.org> wrote:

> >

> > I pretty much suck at being able to copy one signal when there are
> > others present. The signals I'm not working are too much of a
> > distraction, and I can't concentrate on the one I'm working

>

> Hi, Dale, and everyone else,

>

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> ability to copy CW. A while back I picked up a Mizuho AP-1D Audio
> Processor. It's an older, analog, outboard unit, but it does have a

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> incredible contacts that wouldn't have been possible had I insisted
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> portables, and I wanted to see what I could do with them. I feel
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> Unlike most people on this list, my mode of operation at least 90%
of
> the time is SSB QRP. Of course, it's really nice to have CW to fall
> back on when I need it.
>
> 72/73,
> Caity
> KU4QD

Date: Tue, 3 Jun 2003 12:48:41 -0700
From: Mark Schoonover <schoon@amgt.com>

To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [151749] Comments on the MFJ-269
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F6DEC@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Group,

I'm thinking of purchasing one of these little devils. Upon reading the reveiws on eHam, now I'm a little gun shy on getting one. I do have an original 219(?) that I've had for 8 years with no problems. Great little gem for SWR only, but I need more, plus UHF is a big plus. If you have one, would you let my know your likes/dislikes. I'll recap all the responses to the list. Please reply direct.

Thanks & 72!

.mark KA6WKE

Apparently a teacher has been arrested in the UK in possession of compasses, protractors, and straight edge rulers. It is claimed he is a member of the Al Gebra movement bearing weapons of math instruction

Date: Tue, 3 Jun 2003 15:14:36 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [151750] Re: Receivers & CW (was 4W3DX and receivers)
Message-ID: <Pine.LNX.4.33.0306031508350.5628-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 3 Jun 2003, Caitlyn Martin wrote:

> On Mon, 2 Jun 2003 09:09:15 -0500 (CDT)
> Dale Botkin <dale@botkin.org> wrote:
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> I am pretty much the same way. Pretty much any distraction kills my
> ability to copy CW.

I have been meaning to build a stereo spatial CW filter -- a hi-pass audio filter and a low-pass, feeding audio to different sides of a set of stereo headphones, so you can "center" say 800Hz and make it easier to mentally separate signals at different frequencies. I'm pretty sure I saw this in a QST article or an old Handbook or something. No details recalled, but I do have a pretty good pile of samples of little single-chip stereo tone/balance/volume controls from National and others, so it should be pretty simple to build. Don't want to spend a lot on it, since it may help a lot or may not help at all.

Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.
Get a PicoKeyer: <http://www.hamgadgets.com>

Date: Tue, 3 Jun 2003 15:23:47 -0500
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151751] RE: CW Selectivity. WAS: 4W3DX and receivers
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428EDA@TX-MSG05-CCC.wireless.attws.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

I'm with Garey on this - I started out with a donated HR-10B which was = actually a pretty decent CW receiver, but it doesn't compare favorably = with today's rigs. I learned to sort out CW signals pretty quickly. I do = have one BIG advantage - I am a trained jazz pianist, and am used to = separating out the various instruments in a group while writing out = charts. It just takes time to learn this. I bet the Binaural Receiver = that KK7B designed would be cool to try out for this exact reason - = hmmm, better call Kanga!!!

73 de N4MVL Lee

-----Original Message-----

From: Garey Barrell [mailto:k4oah@mindspring.com]
Sent: Tuesday, June 03, 2003 3:41 PM
To: Low Power Amateur Radio Discussion
Subject: Re: CW Selectivity. WAS: 4W3DX and receivers

Caity -

The key to your "problem" is in the next-to-last sentence of your comment!!

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Atlanta

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From: "Caitlyn Martin" <ku4qd@earthlink.net>

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> Dale Botkin <dale@botkin.org> wrote:
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> 72/73,
> Caity
> KU4QD

Date: Tue, 3 Jun 2003 15:39:16 -0500 (EST)
From: <igeq100@iupui.edu>
To: Dale Botkin <dale@botkin.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151752] Re: Receivers & CW (was 4W3DX and receivers)
Message-ID: <Pine.GS0.3.96.1030603153553.25112B-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Dale -

There was a thread about this topic on QRP-L about a year ago, if I remember correctly. One thing I was going to try, but never did, was to use an analog delay line to delay one of the separated signal paths to create artificial depth for the spectrum of signals. I think that there is a commercial unit that does that sort of thing.

72,

Rich, WB9LPU

Date: Tue, 3 Jun 2003 13:40:24 -0700
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [151753] Re: NorCal 10th Anniversary Report (Long)
Message-ID: <004e01c32a10\$6ec36b90\$26116a0a@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Yes, it was indeed a real treat to be able to attend the NorCal's 10th year birthday meeting this past Sunday. I've been traveling to San Jose each week on business since the beginning of the year, but was able to arrange schedule to stay here in CA over the weekend for this important event.

What a thrill it was to see so many of the original founding members and regularly-attending members all at one shot. Seeing Jim Cates & Doug Hendricks surrounded by Dave Fifield, Wayne Burdick, Bob Smith, Stan Cooper, Dave Meacham, Vic Black and the rest of the gang all gathered around the un-cut birthday cake was a super picture. Hope someone gets that posted.

I was especially proud to be in attendance because of the heritage the NJQRP has with NorCal. In many ways, the NJQRP is a sister club to NorCal, having adopted the same operational model during our eight-year existence. The guidance, inspiration and assistance we've received from the NorCal leadership and members over the years has enabled us to grow and mature in ways we wouldn't have originally believed possible.

Thank you Doug, Jim and all NorCal. Happy birthday to you all!

73, George N2APB n2apb@amsat.org

PS: On a related note, there's a real important announcement coming at 12:01 am Pacific time tomorrow concerning NorCal and NJQRP. Something that will extend the horizons of all of America's QRPers. Stay tuned ...

Date: Tue, 3 Jun 2003 16:58:00 -0400
From: edkess@pa.net
To: qrp-1@Lehigh.EDU
Subject: [151754] For Sale
Message-ID: <3EDCD398.27451.5107C89@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Good Afternoon,

I have two items for sale. Both are like new.

MFJ - 906 6M Antenna Tuner
200W with Lighted Cross Needle Metering
I may have the manual, but haven't found it yet.
\$60.00 shipped.

Yaesu MH-1 B8 Microphone (LNIB)
I used this several times with my K2, but settled on another mic.
\$45.00 shipped.

First come, first served. Hi.

73
Ed AA3SJ

Ed Kessler
950 Woodside Station Road
Millersburg, PA 17061

Date: Tue, 03 Jun 2003 14:45:07 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: Elecraft <elecraft@mailman.qth.net>
Cc: qrp <qrp-1@lehigh.edu>
Subject: [151755] How to put an Elecraft K2 on 60 meters (updated)
Message-ID: <3EDD16D4.3F7A0A90@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Our K60XV option (60 m + transverter I/O) isn't available yet, but it looks like U.S. hams will get limited privileges (USB mode only, 5 discrete frequencies) as of July 3rd. So we thought we'd update and re-post information on how to put the

K2 on 60 meters for those who are anxious to try out the band now. K2 firmware does not at present include 60 m in the band map, so the modification works by "sharing" 40-meter components.

Note: This modification is recommended for experimentation only, as we have not yet fully characterized the K2 on this band. However, a few hams in the UK have made these changes successfully, and our own initial tests show that performance is the same as on the other bands.

1. The 40 meter band-pass filter must be resonated on 60 meters:

Install a DPDT switch on the rear panel, close to the 40-m band-pass filter. The two switch commons should be wired to either side of C6, the top coupling cap in this filter. In the 60 m switch position, a 4.7 pF capacitor should be placed in parallel with C6. From either side of this capacitor to ground, you'll need a 50 pF trimmer and a 47 pF fixed cap, in parallel. The filter will be peaked later.

2. Memories can be set up for easy 60m or 40m access:

Turn on the K2 and switch to 40 meters. Select the 1-kHz-per-step VFO tuning rate and tune the VFO down from 40 m to the center of the 60 meter band (~5.3 MHz). Hit A=B to set both VFOs to this frequency, then STORE the setup in a frequency memory (I used #5 since this is 5 MHz). Then tune back up to 40 meters, hit A=B, and STORE this in another memory (#7 makes sense: 7 MHz). Now you can jump to either 60 or 40 meters using the RCL button. Of course you could assign up to 5 memories for use on the new channelized 60-meter assignments.

3. The VCO requires additional capacitance:

Use RCL #5 to get back to 60 meters. The PLL will be out of lock because the 40-meter VCO capacitance is too small to allow the VCO to tune down to $5.3 + 4.9 = 10.2$ MHz. To get the PLL to lock, you'll have to parallel some 30-70 pF of extra capacitance across C71. Connect a voltmeter to R30, and find a value of C that results in a VCO voltage of 1.5-7.5 V over the desired 60 m segment. Then install a tiny SPST switch on the board which, when thrown to the 60 m position, puts this cap into the circuit. Use very short leads, and cut an access hole in the bottom cover. (Note: the K60XV will be supplied with two MV209 varactor diodes, D19 and D20, that will work in combination with the K2's new "D19" menu entry to change the VCO tuning range so that it covers both 40 and 60 meters with new VCO relay combinations. You don't need new K2 firmware to use the fixed capacitance method described here. But if you have it, leave "D19" set to "N".)

4. With both the VCO and BPF switches in the 60 m position, and a 60-m memory recalled, align the BPF trimmers on 60 meters in RX or TX mode.

5. The K2's original 40-m low-pass filter and push-pull PA does a decent job of suppressing the 2nd harmonic on 60 meters, but if you want some extra margin, use the new 40m/60m elliptic low-pass filter components shown in the Revision D

K2 manual. These components are already present in K2s s/n 3000 and up.

You're now ready to use the K2 barefoot on 60 meters (up to 15 W). Remember to use upper sideband *only* as we haven't yet convinced the FCC to let us use CW :(

The KAT2 and KAT100 automatic antenna tuners will both work on this band, so you can use a 40 or 80-meter antenna or a random wire.

DO NOT use the KPA100 on 60 meters unless you have the means to check 2nd harmonic suppression. Since the KPA100 uses a 40/30 meter low-pass filter, the 2nd harmonic attenuation on 60 meters would be determined solely by the balance of the PA strip, which may or may not meet FCC specs. A future modification to the KPA100 will allow use on 60 meters. (Also note the carefully-defined 50-watt power limit on this band. See www.arrl.org for details.)

Now: Who will be the first to work all states on 60 meters? (Probably no award certificate....but don't let that stop you!)

73,
Wayne
N6KR

www.elecrafft.com

Date: Tue, 3 Jun 2003 15:52:55 -0600
From: "John_Evans" <jaevans@mail.codenet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151756] Re: NorCal 10th Anniversary Report (Long)
Message-ID: <200306031552.AA226033904@mail.codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I smell a merger coming on !!!!

72 - john - n0hj

----- Original Message -----

From: "George Heron N2APB" <n2apb@erols.com>
Reply-To: n2apb@erols.com
Date: Tue, 3 Jun 2003 13:40:24 -0700

>

>PS: On a related note, there's a real important announcement coming at

>12:01 am Pacific time tomorrow concerning NorCal and NJQRP. Something that
>will extend the horizons of all of America's QRPers. Stay tuned ...

>
>
>
>
>
>

Date: Tue, 3 Jun 2003 17:00:48 -0500
From: "Boulineau, Lee" <lee.boulineau@attws.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151757] RE: NorCal 10th Anniversary Report (Long)
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428EDB@TX-MSG05-
CCC.wireless.attws.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

Great - I have to get up at 3:00 - Wait, I feel one of my insomnias
coming on!!!

Lee N4MVL

----- Original Message -----
From: "George Heron N2APB" <n2apb@erols.com>
Reply-To: n2apb@erols.com
Date: Tue, 3 Jun 2003 13:40:24 -0700

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Date: Tue, 3 Jun 2003 18:06:48 -0400 (Eastern Daylight Time)
From: "Lawrence Makoski" <Makos327@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151758] 1st Spartan Sprint
Message-ID: <3EDD1BF8.000003.01192@larry-sahyqy001>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

Hello all!=0D

=0D

Had a blast last night in my first Spartan Sprint! I could only devote a little over a half hour as I was busy with doing "Daddy Duty"; and then had to worry about sorting, buncling, carting & hauling out the recycling. But in that 30 odd minutes I had 6 Q's. And a fun time making each one of them.

I can hardly wait 'til the next Sprint to devote more time, next time!=0D

=0D
73 de Larry W2LJ=0D

QRPARCI #4488 NJQRP #47=0D

FISTS #1469 QRP-L #778 FP# 612=0D

=0D

email: W2LJ@arrl.net=0D

URL: <http://www.qsl.net/w2lj>=0D

=20

End of QRP-L Digest 2940
